

a¹ cancelled

electrically isolated from each other using a relatively thin layer of insulation 419 (e.g., 1-2 mil mylar tape) or a layer of Formvar, but are electrically connected at an end region of the diamond-shaped stator coil 22. Ground wall insulation 422 is then applied over the pancakes 412, 414. With this arrangement, voltage induced in the circuits formed by first and second conductors 416, 418 are identical to a first order and any circulating currents between the circuits are minimized, thus reducing overall losses of the coil. --

Please replace the paragraph beginning at page 18, line 8 with the following rewritten paragraph:

-- Referring to Fig. 18, in another embodiment, a stator coil 430 include two pancakes 432, 434, each wound three-in hand. As was the case above, each pancake 432, 434 includes a first conductor 436, a second conductor 438, and a third conductor 440 wound over each other. In this three-in hand winding approach, first pancake 432 is formed so that second conductor 438 is sandwiched between the other conductors, with first conductor 436 above the second conductor 438 and third conductor 440 below of the second conductor. Second pancake, 434, however, is wound such that first conductor 436 is below second conductor 438 and third conductor 440 is above the second conductor. The transposition of the first conductor and the third conductor takes place at a base 441 of the coil. All three conductors, 436, 438, 440 are electrically isolated from each other using insulation, but are electrically connected at the end regions of the coil and ground wall insulation 442 is then applied over the pancakes 432, 434.--

✓In the claims:

✓Please cancel claims 4 and 14.

Please amend claims 1, 3, 11, and 13 as follows:

a²

--1. (Amended) A stator for use in a rotating machine, the stator having a longitudinal axis and comprising:
a first conductor; and
a second conductor wound, in-hand, over the first conductor and along the longitudinal axis, the second conductor electrically isolated from the first conductor along the length of the first and second conductors.--